IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:.	Baker et al.	Docket No:	39780-2830P1C8
Serial No:	10/006,041	Group Art Unit:	1647
Filed:	December 06, 2001	Examiner:	Rachel K. Hunnicutt

For: **SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME**

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

DECLARATION OF NAPOLEONE FERRARA, Ph.D., AUDREY GODDARD, Ph.D., PAUL J. GODOWSKI, Ph.D., AUSTIN GURNEY, Ph.D., JAMES PAN, Ph.D., COLIN K. WATANABE and WILLIAM I. WOOD, Ph.D. UNDER 37 CFR 1.131

We, Napoleone Ferrara, Ph.D., Audrey Goddard, Ph.D., Paul J. Godowski, Ph.D., Austin Gurney, Ph.D., James Pan, Ph.D., Colin K. Watanabe and William I. Wood, Ph.D. declare and say as follows:

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2. We have read and understood the claims pending in this application, and are aware that the claims have been rejected as anticipated by U.S. Patent No. 6,525,174 (Young *et al.*, issue date February 25, 2003 and effective filing date June 4, 1998) and U.S. Patent Publication No. 2003/0096951 (Jacobs *et al.*, publication date May 22, 2003 and effective filing date August 14, 1998).

3. The polypeptide designated as PRO1244 (SEQ ID NO:130) claimed in the above-identified application in the United States was sequenced, cloned and homology to implantation-associated protein identified prior to June 4, 1998.

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Audrey Goddard, Ph.D.	Date
Paul J. Godowski, Ph.D.	Date
James Pan, Ph.D.	Date

Austin Gurney, Ph.D.	Date
Colin K. Watanabe	Date
William I. Wood, Ph.D.	Date

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Andrey Goddard, Ph.D.	Date
Paul J. Godowski, Ph.D.	10/05/01 Date
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Austin Gurney, Ph.D.	Date
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14. The first 26 amino acid residues of the PRO1244 polypeptide (SEQ ID NO:130) encoded by the cDNA (DNA-64883) are also shown on page 1 of the GSeqEdit report and the remaining 309 residues appear on pages 2-6 of the report.

15. Copies of the pages from the GenenGenes database which report the homology data for the PRO1244 polypeptide sequence are attached to this declaration (with the dates and legal status redacted) as Exhibit B.

16. All activities listed under paragraphs 4-15 were completed prior to June 4, 1998. (See Exhibits A and B).

17. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information or belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issued thereon.

Napoleone Ferrara, Ph.D.	Date
Audrey Goddard, Ph.D.	Date
Paul J. Godowski, Ph.D.	Date
James Pan, Ph.D.	Date

Austin Gurney, Ph.D.	Date
Colin K Watanabe	Oct 8, 2004
Colin K. Watanabe	Date
William I. Wood, Ph.D.	Date

SV 2062079 v1
10/1/04 2:03 PM (39780.2830)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Baker et al.	Docket No:	39780-2830P1C8
Serial No:	10/006,041	Group Art Unit:	1647
Filed:	December 06, 2001	Examiner:	Rachel K. Hunnicutt

For: **SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME**

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

DECLARATION OF NAPOLEONE FERRARA, Ph.D., AUDREY GODDARD, Ph.D., PAUL J. GODOWSKI, Ph.D., AUSTIN GURNEY, Ph.D., JAMES PAN, Ph.D., COLIN K. WATANABE and WILLIAM I. WOOD, Ph.D. UNDER 37 CFR 1.131

We, Napoleone Ferrara, Ph.D., Audrey Goddard, Ph.D., Paul J. Godowski, Ph.D., Austin Gurney, Ph.D., James Pan, Ph.D., Colin K. Watanabe and William I. Wood, Ph.D. declare and say as follows:

1. We are the inventors of the above-identified application.

2. We have read and understood the claims pending in this application, and are aware that the claims have been rejected as anticipated by U.S. Patent No. 6,525,174 (Young *et al.*, issue date February 25, 2003 and effective filing date June 4, 1998) and U.S. Patent Publication No. 2003/0096951 (Jacobs *et al.*, publication date May 22, 2003 and effective filing date August 14, 1998).

3. The polypeptide designated as PRO1244 (SEQ ID NO:130) claimed in the above-identified application in the United States was sequenced, cloned and homology to implantation-associated protein identified prior to June 4, 1998.

4. At the time the PRO1244 polypeptide was cloned and sequenced, one of the inventors, Austin Gurney, Ph.D., was responsible for overseeing the cloning of cDNAs which

encoded novel polypeptides, including the cDNA that encoded PRO1244 polypeptide (SEQ ID NO:130) claimed in the above-identified application.

5. At the time the PRO1244 polypeptide was cloned and sequenced, one of the inventors, Audrey Goddard, Ph.D., was, and still is, responsible for overseeing the sequencing of novel polypeptides, including the PRO1244 polypeptide (SEQ ID NO:130) claimed in the above-identified application.

6. At the time the PRO1244 polypeptide was cloned and sequenced, one of the inventors, William I. Wood, was, and still is, responsible for overseeing the homology searches for the novel polypeptides, including that for the PRO1244 polypeptide (SEQ ID NO:130) encoded by the cDNA claimed in the above-identified application.

7. A cDNA clone, referred to as DNA64883-1526 in the above-identified application, was identified as encoding the PRO1244 polypeptide.

8. The full length of the cDNA clone is shown in Figure 73 of the above-identified application. The full-length cDNA sequence has 2213 nucleotide residues. The full length of the PRO1244 peptide encoded by DNA64883-1526 is shown in Figure 74 of the above-identified application. The full-length PRO1244 polypeptide has 335 amino acid residues.

9. Copies of the pages from the GSeqEdit database which report the cloning and sequencing data for the PRO1244 polypeptide sequence and its encoding nucleic acid sequence are attached to this declaration (with the dates redacted) as Exhibit A.

10. The GSeqEdit report shows the full-length nucleic acid sequence for DNA-64883-1526 (identified as "DNA-64883") and the full-length PRO1244 polypeptide encoded by DNA 64883. Both the DNA-64883 and the PRO1244 polypeptide sequences were obtained prior to June 4, 1998.

11. The DNA-64883 sequence shown in the GSeqEdit report is identical to that of SEQ ID NO: 129 disclosed in the above-identified application.

12. The beginning of the cDNA sequence corresponding to SEQ ID NO: 129 in the above-identified application is shown on page 1 of the GSeqEdit database report and

the location of the first nucleotide is marked with "^insert starts here" and an arrow. The location of the last nucleotide corresponding to SEQ ID NO: 129 is shown on page 11 and is marked with an arrow.

13. The amino acid sequence shown in the GSeqEdit report is identical to that of SEQ ID NO: 130 disclosed in the above-identified application.

14. The first 26 amino acid residues of the PRO1244 polypeptide (SEQ ID NO:130) encoded by the cDNA (DNA-64883) are also shown on page 1 of the GSeqEdit report and the remaining 309 residues appear on pages 2-6 of the report.

15. Copies of the pages from the GenenGenes database which report the homology data for the PRO1244 polypeptide sequence are attached to this declaration (with the dates and legal status redacted) as Exhibit B.

16. All activities listed under paragraphs 4-15 were completed prior to June 4, 1998. (See Exhibits A and B).

17. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information or belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful statements may jeopardize the validity of the application or any patent issued thereon.

Napoleone Ferrara, Ph.D.	Date
Audrey Goddard, Ph.D.	Date
Paul J. Godowski, Ph.D.	Date
James Pan, Ph.D.	Date

Austin Gurney, Ph.D.	Date
Colin K. Watanabe	Date
William I. Wood, Ph.D.	10/5/04 Date

SV 2062079 v1
10/1/04 2:03 PM (39780.2830)

>[redacted]
>DNA64883 [Full]
>510 Sites [All Sites]
>[redacted] DNA64883 wiw GSeqEdit
>[redacted] DNA64883 zemin GSeqEdit
>[redacted] DNA64883 goddarda GSeqEdit
>[redacted] DNA64883 sheldens GSeqEdit
>HBN64883.seq, sequenced at ABI/ACGT by Peter Ma and Ellson Chen
>human ortholog of implantation-associated protein - Rattus

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                                                                 nlaIII
              mnlI                                               mslI
             taqI                                               styI
            xhoI                 thaI                           ncoI
            tliI                 fnuDII/mvnI                    dsaI          tseI
            smlI                hinPI   aciI                    btgI/bstDSI   fnu4HI/bsoFI
            paeR7I  mwoI     tseI bstUI[M.hhaI-]                bstXI         bbvI                 dde
      tsp509I[M.ecoRI-]      fnu4HI/bsoFI                       bsaJI       hinPI           taiI   bsp
     ecoRI  avaI[M.taqI-]    bbvI bsh1236I                  tsp45I          hhaI/cfoI       maeII/hpyC
     apoI  mwoI bseRI      nlaIII  hhaI/cfoI            bsmAI maeIII       haeII          hpy99I  mnlI
  1 CGGAATTCGG CTCGAGGAGC GAACATGGCA GCGCGTTGGC GGTTTTGGTG TGTCTCTGTG ACCATGGTGG TGGCGCTGCT CATCGTTTGC GACGTTCCCT
    GCCTTAAGCC GAGCTCCTCG CTTGTACCGT CGCGCAACCG CCAAAACCAC ACAGAGACAC TGGTACCACC ACCGCGACGA GTAGCAAACG CTGCAAGGGA
  1                 ↑      M  A  A  R  W  R  F  W  C  V  S  V  T  M  V  V  A  L  L  I  V  C  D  V  P  S
                    ^insert starts here
                           ^MET
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    mnlI                                                   aluI
   alwNI[dcm-]                                            pvuII
   alw26I/bsmAI       bsaXI      hpy188I                  mspA1I/nspBII                                 bsmAI
101 CAGCCTCTGC CCAAAGAAAG AAGGAGATGG TGTTATCTGA AAAGGTTAGT CAGCTGATGG AATGGACTAA CAAAAGACCT GTAATAAGAA TGAATGGAGA
    GTCGGAGACG GGTTTCTTTC TTCCTCTACC ACAATAGACT TTTCCAATCA GTCGACTACC TTACCTGATT GTTTTCTGGA CATTATTCTT ACTTACCTCT
27   A  S  A   Q  R  K   K  E  M  V   L  S  E   K  V  S   Q  L  M  E   W  T  N   K  R  P   V  I  R  M   N  G  D

                                                              tspRI                  bst4CI/hpyCH4III  cac8I
                                                              btsI                  ahdI/eam1105I   cac8I
       hpy99I                        tsp509I           nlaIII                  hpyCH4V tspRI        hpyCH4V al
201 CAAGTTCCGT CGCCTTGTGA AAGCCCCACC GAGAAATTAC TCCGTTATCG TCATGTTCAC TGCTCTCCAA CTGCATAGAC AGTGTGTCGT TTGCAAGCAA
    GTTCAAGGCA GCGGAACACT TTCGGGGTGG CTCTTTAATG AGGCAATAGC AGTACAAGTG ACGAGAGGTT GACGTATCTG TCACACAGCA AACGTTCGTT
60  K  F  R   R  L  V  K   A  P  P   R  N  Y   S  V  I  V   M  F  T   A  L  Q   L  H  R  Q   C  V  V   C  K  Q
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                                    scrFI[dcm-]
                                    pspGI
                                    mvaI
                                    ecoRII[dcm-]
                                    dsaV[dcm-]
                                    bstNI
                                    bssKI[dcm-]
                                    apyI[dcm+]
                                sau3AI
                                mboI/ndeII[dam-]
                                dpnII[dam-]
                                dpnI[dam+]
                                alwI[dam-]        scrFI[dcm-]
                               bstYI/xhoII        pspGI
                              alwNI[dcm-]         mvaI                                          nlaIII
                              alw26I/bsmAI        ecoRII[dcm-]                                  styI
                           tsp509I[M.ecoRI-]      dsaV[dcm-]        hpyCH4V                     ncoI
                         ecoRI pflMI[dcm-]        bstNI baeI    tspRI                           dsaI
                         apoI  bslI[dcm-]         bssKI[dcm-]  bsrI bsmI hphI                   btgI/bstDSI
                    mboII   hpy188III             apyI[dcm+] bpmI/gsuI[dcm-]                    bsaJI                    hpy18
301 GCTGATGAAG AATTCCAGAT CCTGGCAAAC TCCTGGCGAT ACTCCAGTGC ATTCACCAAC AGGATATTTT TTGCCATGGT GGATTTTGAT GAAGGCTCTG
    CGACTACTTC TTAAGGTCTA GGACCGTTTG AGGACCGCTA TGAGGTCACG TAAGTGGTTG TCCTATAAAA AACGGTACCA CCTAAAACTA CTTCCGAGAC
 93 A  D  E  E  F  Q  I  L  A  N  S  W  R  Y  S  S  A  F  T  N  R  I  F  F  A  M  V  D  F  D  E  G  S  D
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                        tsp509I[M.ecoRI-]
                       ecoRI                                  hpyCH4V
              sfaNI    apoI                                  ecoNI
           hpy188I   nlaIII    aluI                          bslI        bslI      hphI    ndeI   maeIII   aciI
401 ATGTATTTCA GATGCTAAAC ATGAATTCAG CTCCAACTTT CATCAACTTT CCTGCAAAAG GGAAACCCAA ACGGGGTGAT ACATATGAGT TACAGGTGCG
    TACATAAAGT CTACGATTTG TACTTAAGTC GAGGTTGAAA GTAGTTGAAA GGACGTTTTC CCTTTGGGTT TGCCCCACTA TGTATACTCA ATGTCCACGC
127  V  F  Q   M  L  N   M  N  S  A   P  T  F   I  N  F   P  A  K  G   K  P  K   R  G  D   T  Y  E  L   Q  V  R

              ddeI[M.aluI-]
              bspCNI       mspI   sau3AI
              celII/espI   hpaII  mboI/ndeII[dam-]
              blpI/bpu1102I scrFI[M.hpaII-]                                                   bsmFI
            aluI            nciI  dpnII[dam-]                                                 sau96I
           pvuII            dsaV  dpnI[dam+]                                                  nlaIV
           mspA1I/nspBII    bssKI alwI[dam-]               sspI                     tsp509I   avaII bslI
501 GGGTTTTTCA GCTGAGCAGA TTGCCCGGTG GATCGCCGAC AGAACTGATG TCAATATTAG AGTGATTAGA CCCCCAAATT ATGCTGGTCC CCTTATGTTG
    CCCAAAAAGT CGACTCGTCT AACGGGCCAC CTAGCGGCTG TCTTGACTAC AGTTATAATC TCACTAATCT GGGGGTTTAA TACGACCAGG GGAATACAAC
160 G  F  S   A  E  Q  I   A  R  W   I  A  D   R  T  D  V   N  I  R   V  I  R   P  P  N  Y   A  G  P   L  M  L

                                   taqI                                                          aluI
                                   sfuI                                                         tseI
                                   bstBI                                         fokI           fnu4HI/bsoFI
                                   bsiCI               tsp509I    tru9I          bstF5I         bbvI
                         baeI    mboII mboII          apoI       mseI       bsrI          mwoI hpyCH4V
601 GGATTGCTTT TGGCTGTTAT TGGTGGACTT GTGTATCTTC GAAGAAGTAA TATGGAATTT CTCTTTAATA AAACTGGATG GGCTTTTGCA GCTTTGTGTT
    CCTAACGAAA ACCGACAATA ACCACCTGAA CACATAGAAG CTTCTTCATT ATACCTTAAA GAGAAATTAT TTTGACCTAC CCGAAAACGT CGAAACACAA
193 G  L  L  L   A  V  I   G  G  L   V  Y  L  R   R  S  N   M  E  F   L  F  N  K   T  G  W   A  F  A   A  L  C  F
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                                                                                  nlaIII          nlaIII
                                                                                 pciI            styI
                                                                                 nspHI           ncoI
                                          sau96I                     bslI        nspI            dsaI
                                          avaII                  tfiI            aflIII          btgI/bs
     cac8I      ahdI/eam1105I      nlaIV      mnlI      ndeI         hinfI       bsmFI     tsp509I bsaJI
701 TTGTGCTTGC TATGACATCT GGTCAAATGT GGAACCATAT AAGAGGACCA CCATATGCCC ATAAGAATCC CCACACGGGA CATGTGAATT ATATCCATGG
    AACACGAACG ATACTGTAGA CCAGTTTACA CCTTGGTATA TTCTCCTGGT GGTATACGGG TATTCTTAGG GGTGTGCCCT GTACACTTAA TATAGGTACC
227  V  L  A  M  T  S   G  Q  M  W   N  H  I   R  G  P   P  Y  A  H   K  N  P   H  T  G   H  V  N  Y   I  H  G

                                                                   ddeI                    tseI
                                                                  eco81I                   fnu4HI/bsoFI
                                                tru9I             bsu36I/mstII/sauI        bbvI       hpy1
                bsrI     aluI            mboII  mseI         maeIII                       aluI      mnlI
801 AAGCAGTCAA GCCCAGTTTG TAGCTGAAAC ACACATTGTT CTTCTGTTTA ATGGTGGAGT TACCTTAGGA ATGGTGCTTT TATGTGAAGC TGCTACCTCT
    TTCGTCAGTT CGGGTCAAAC ATCGACTTTG TGTGTAACAA GAAGACAAAT TACCACCTCA ATGGAATCCT TACCACGAAA ATACACTTCG ACGATGGAGA
260  S  S  Q   A  Q  F  V   A  E  T   H  I  V   L  L  F  N   G  G  V   T  L  G   M  V  L  L   C  E  A   A  T  S

                                                                                          sau3AI
                                                                                          mboI/ndeII[dam
                                                                                          dpnII[dam-]
                                                                        sfaNI             dpnI[dam+]
                                                                   eco57I  fokI           bstYI/xhoII
     nlaIII                                                        mboII   bstF5I         bglII        nl
901 GACATGGATA TTGGAAAGCG AAAGATAATG TGTGTGGCTG GTATTGGACT TGTTGTATTA TTCTTCAGTT GGATGCTCTC TATTTTTAGA TCTAAATATC
    CTGTACCTAT AACCTTTCGC TTTCTATTAC ACACACCGAC CATAACCTGA ACAACATAAT AAGAAGTCAA CCTACGAGAG ATAAAAATCT AGATTTATAG
293 D  M  D  I   G  K  R   K  I  M   C  V  A  G   I  G  L   V  V  L   F  F  S  W   M  L  S   I  F  R   S  K  Y  H
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                                             bsmFI
                                             sau96I                              bsrI
                                             nlaIV                              rsaI
                                             avaII                         bpmI/gsuI[dcm-]
                                       tru9I  ppuMI                        bsrI    csp6I
                   aluI hpy188I   mseI   eco0109I/draII               tspRI   scaI      tsp509I
1001 ATGGCTACCC ATACAGCTTT CTGATGAGTT AAAAAGGTCC CAGAGATATA TAGACACTGG AGTACTGGAA ATTGAAAAAC GAAAATCGTG TGTGTTTGAA
     TACCGATGGG TATGTCGAAA GACTACTCAA TTTTTCCAGG GTCTCTATAT ATCTGTGACC TCATGACCTT TAACTTTTTG CTTTTAGCAC ACACAAACTT
327   G  Y  P  Y  S  F  L  M  S  O

                                                                tru9I
                                                                mseI    tru9I
        bsmI                                                  ahaIII/draI    tru9I                    tru9I
     mboII hpyCH4V                   mnlI                      swaI      mseI     mseI     mboII              mseI
1101 AAGAAGAATG CAACTTGTAT ATTTTGTATT ACCTCTTTTT TTCAAGTGAT TTAAATAGTT AATCATTTAA CCAAAGAAGA TGTGTAGTGC CTTAACAAGC
     TTCTTCTTAC GTTGAACATA TAAAACATAA TGGAGAAAAA AAGTTCACTA AATTTATCAA TTAGTAAATT GGTTTCTTCT ACACATCACG GAATTGTTCG

                  mnlI
                 ddeI                                          bsrI                          tsp509I    tru9I
                 bspCNI                  mnlI tru9I      mboII tspRI                     tru9I     rsaI tsp509I
       mnlI     hpy188I              tsp509I    mseI     earI/ksp632I                    mseI      csp6I  mseI
1201 AATCCTCTGT CAAAATCTGA GGTATTTGAA AATAATTATC CTCTTAACCT TCTCTTCCCA GTGAACTTTA TGGAACATTT AATTTAGTAC AATTAAGTAT
     TTAGGAGACA GTTTTAGACT CCATAAACTT TTATTAATAG GAGAATTGGA AGAGAAGGGT CACTTGAAAT ACCTTGTAAA TTAAATCATG TTAATTCATA

                                                                          tru9I
                                                                          mseI
                                                                         hpaI
      psiI   tsp509I                              aluI                   hincII/hindII hpy188I              bslI
1301 ATTATAAAAA TTGTAAAACT ACTACTTTGT TTTAGTTAGA ACAAAGCTCA AAACTACTTT AGTTAACTTG GTCATCTGAT TTTATATTGC CTTATCCAAA
     TAATATTTTT AACATTTTGA TGATGAAACA AAATCAATCT TGTTTCGAGT TTTGATGAAA TCAATTGAAC CAGTAGACTA AAATATAACG GAATAGGTTT
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                                 scrFI[dcm-]
                                 pspGI
                                 mvaI
                                 ecoRII[dcm-]
                                 dsaV[dcm-]
                                 bstNI                                                tsp509I[M.ecoRI-]
                                 bssKI[dcm-]                                          xmnI
                                 apyI[dcm+]                                           ecoRI         mboII
                                sexAI                                                 asp700      aluI     mslI        fokI
                           hpy188III          ndeI       maeIII                       apoI     ddeI[M.aluI-]           bstF5I
1401 GATGGGGAAA GTAAGTCCTG ACCAGGTGTT CCCACATATG CCTGTTACAG ATAACTACAT TAGGAATTCA TTCTTAGCTT CTTCATCTTT GTGTGGATGT
     CTACCCCTTT CATTCAGGAC TGGTCCACAA GGGTGTATAC GGACAATGTC TATTGATGTA ATCCTTAAGT AAGAATCGAA GAAGTAGAAA CACACCTACA

                                                                                                       taiI
                                                                                                   hgiAI/aspHI
                                                                                                   bsp1286
                                                                 hpy188I                           bsiHKAI    rmaI  ddeI
     bstZ17I                                                   mboII                           hpy188I  maeII/hpyCH4IV
     bst1107I                                                 bpuAI                          eco57I    aflIII maeI  bspC
     accI        sfaNI                 tsp509I      nlaIII bbsI                             mboII  bmyI btrI  bfaI mnlI
1501 GTATACTTTA CGCATCTTTC CTTTTGAGTA GAGAAATTAT GTGTGTCATG TGGTCTTCTG AAAATGGAAC ACCATTCTTC AGAGCACACG TCTAGCCCTC
     CATATGAAAT GCGTAGAAAG GAAAACTCAT CTCTTTAATA CACACAGTAC ACCAGAAGAC TTTTACCTTG TGGTAAGAAG TCTCGTGTGC AGATCGGGAG
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                                                                                          tth111I/aspI
                                                                                          pleI
                       bseRI                                                              pflFI
                      mnlI                                bpmI/gsuI[dcm-]                 mlyI
                   bseRI                               hinPI       ddeI                   hinfI
            bst4CI/hpyCH4III mnlI  hpyCH4V             hhaI/cfoI   bspCNI               bsmAI    bsmAI
1601 AGCAAGACAG TTGTTTCTCC TCCTCCTTGC ATATTTCCTA CTGCGCTCCA GCCTGAGTGA TAGAGTGAGA CTCTGTCTCA AAAAAAAGTA TCTCTAAATA
     TCGTTCTGTC AACAAAGAGG AGGAGGAACG TATAAAGGAT GACGCGAGGT CGGACTCACT ATCTCACTCT GAGACAGAGT TTTTTTTCAT AGAGATTTAT

                                tru9I                                                                     tsp45I
                                mseI                                 tfiI                               hphI
           tsp509I            hpaI                     xmnI          hinfI                            tru9I maeIII
       psiI           smlI    hincII/hindII            asp700     hpy188I               ddeI          mseI bstEII
1701 CAGGATTATA ATTTCTGCTT GAGTATGGTG TTAACTACCT TGTATTTAGA AAGATTTCAG ATTCATTCCA TCTCCTTAGT TTTCTTTTAA GGTGACCCAT
     GTCCTAATAT TAAAGACGAA CTCATACCAC AATTGATGGA ACATAAATCT TTCTAAAGTC TAAGTAAGGT AGAGGAATCA AAAGAAAATT CCACTGGGTA

                                                                                                              dde
                      ddeI[M.aluI-]       maeIII        haeIII/palI                      tsp45I          rsaI
                    aluI             tspRI            nlaIII                   tsp509I   maeIII          csp6I
1801 CTGTGATAAA AATATAGCTT AGTGCTAAAA TCAGTGTAAC TTATACATGG CCTAAAATGT TTCTACAAAT TAGAGTTTGT CACTTATTCC ATTTGTACCT
     GACACTATTT TTATATCGAA TCACGATTTT AGTCACATTG AATATGTACC GGATTTTACA AAGATGTTTA ATCTCAAACA GTGAATAAGG TAAACATGGA
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                                        scrFI[dcm-]
                                        pspGI
                                        mvaI
                                        ecoRII[dcm-]
                                        dsaV[dcm-]
                                        bstNI
                                      haeIII/palI
                                     mscI/balI[dcm-]
                                     eaeI[dcm-]
                                     cfrI
                                   scrFI[dcm-]
                                   pspGI
                                   mvaI bssKI[dcm-]
                                   ecoRII[dcm-]   tsp45I
                                   dsaV[dcm-]     maeIII                                 bssS
                                   bstNI     hinPI                                      hpy18
                                   bssKI[dcm-]  tspRI                                  sau3AI
                             pleI bslI[dcm-] hhaI/cfoI                      styI cac8I  mboI/nd
                ddeI         mlyI bsaJI apyI[dcm+]             ddeI        haeIII/palI  dpnII[d
                bspCNI       hinfI apyI[dcm+]  btsI            bspCNI     mnlI bsaJI    dpnI[da
1901 AAGAGAAAAA TAGGCTCAGT TAGAAAAGGA CTCCCTGGCC AGGCGCAGTG ACTTACGCCT GTAATCTCAG CACTTTGGGA GGCCAAGGCA GGCAGATCAC
     TTCTCTTTTT ATCCGAGTCA ATCTTTTCCT GAGGGACCGG TCCGCGTCAC TGAATGCGGA CATTAGAGTC GTGAAACCCT CCGGTTCCGT CCGTCTAGTG
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                                    mscI/ballI[dcm-]
                                    eaeI[dcm-]
                                  scrFI[dcm-]
                                  pspGI
                                  mvaI
                                  ecoRII[dcm-]
                                  dsaV[dcm-]
                                  bstNI
                          bsmAI   bssKI[dcm-]
                        taqI   fokI  cfrI    nlaIII         bsmAI
            hpy188III  bsaI bstF5I haeIII/palI          esp3I                    aluI
      mnlI          hpy188III  apyI[dcm+]   hphI       bsmBI                 tsp509I                nlaIV
2001  GAGGTCAGGA GTTCGAGACC ATCCTGGCCA ACATGGTGAA ACCCCGTCTC TACTAAAAAT ATAAAAATTA GCTGGGTGTG GTGGCAGGAG CCTGTAATCC
      CTCCAGTCCT CAAGCTCTGG TAGGACCGGT TGTACCACTT TGGGGCAGAG ATGATTTTTA TATTTTTAAT CGACCCACAC CACCGTCCTC GGACATTAGG

                                                                                                    scrFI[dcm-]
                                                                                                    pspGI
                                                                                                    mvaI
                                                                                                    ecoRII[dcm-]
                                                                                  tspRI             dsaV[dcm-]
                                                                          sau3AI  btsI              bstNI
                          ddeI        tfiI          hpy188III                   mboI/ndeII[dam-]    bssKI[dcm-]
                          bspCNI      hinfI         ddeI                        dpnII[dam-] hpyCH4V apyI[dcm+]
       aluI       mnlI  mnlI bssSI                 bspCNI      mnlI    tspRI   dpnI[dam+] bsgI  bpmI/gsuI[dcm-]
2101  CAGCTACACA GGAGGCTGAG GCACGAGAAT CACTTGAACT CAGGAGATGG AGGTTTCAGT GAGCCGAGAT CACGCCACTG CACTCCAGCC TGGCAACAGA
      GTCGATGTGT CCTCCGACTC CGTGCTCTTA GTGAACTTGA GTCCTCTACC TCCAAAGTCA CTCGGCTCTA GTGCGGTGAC GTGAGGTCGG ACCGTTGTCT
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                                                          fnu4HI/bsoFI
                                                         haeIII/palI
                                                        mcrI
                                                        eagI/xmaIII/eclXI
                                                        eaeI
                                                        cfrI
          pleI                                          bsiEI      xmaI
          mlyI                                        notI         maeI
          hinfI                                       fnu4HI/bsoFI bfaI
        bsmAI                                         aciI aciI  speI
2201 GCGAGACTCC ATCTCAAAAA AAAAAAAAAA AAAAAAAAAA AAAAAAAGGG CGGCCGCCGA CTAGTGAGC
     CGCTCTGAGG TAGAGTTTTT TTTTTTTTTT TTTTTTTTTT TTTTTTCCC GCCGGCGGCT GATCACTCG
```

> length: 2269

accI(GTMKAC):	1501
aciI(CCGC):	39 498 2250 2254
aflIII(ACRYGT):	780 1586
ahaIII(TTTAAA):	1150
ahdI(GACNNNNNGTC):	278 714
aluI(AGCT):	152 300 429 510 690 822 888 1015 1345 1476 1816 2070 2102
alw26I(CAGNNNCTG):	101 316
alwI(GGATCNNNN):	318 530
alwNI(CAGNNNCTG):	101 316
apoI(RAATTY):	3 310 423 655 1464
apyI(CCWGG):	321 332 1422 1934 1939 2023 2189
asp700(GAANNNNTTC):	1464 1749
aspHI(GWGCWC):	1582

[redacted]

DNA64883

DNA Info	Project DNA56011
Is Primarydna	☑
Source Info	628 FLS 2333 LIB309 RNA217 SRC685 Human blank Incyte
Gene Info	PRO1244 Human IAG2 UNQ628

Gene Annotation

Genome Mapping	Run Geode	
Affy	HGU133A	221553_at
	HGU133B	224899_s_at
	HGU133P	221553_at, 224899_s_at
	HGU95B	43481_at, 45230_at
	HGU95E	90925_at
	Hu35KB	RC_N48787_at
	Hu35KC	RC_AA133886_at, RC_AA157267_at
	HuGenen1	AF130104_at, P_A37058_at
	MGU74B	106968_at, 110460_at
	MGU74C	140441_at
	MOE430A	1419459_a_at
	MOE430P	1419459_a_at
Agilent	H1Av2	A_23_P148273
	H1A	A_23_P148273
	H1Av2	A_23_P148273
	M1A	A_51_P206624
	WHG	A_23_P148273, A_24_P105164, A_24_P333802, A_24_P485219
FANTOM	Mouse:2410001C15, 2610529C04, 2810435A10, 9130015A07	
GenBank	Human:AF130104, AK027632, AK075394, AL136636, AY358691, BC060842, BC063037 Mouse:AK010320, AK012185, AK013243, AK018623, BC003881	
GeneHub	Human:GENE30707 Mouse:MGENE40317	
INCYFL	Human:959272.FL1_0	
Incyte	Human:1397153.5, 1397153.6	
LocusLink	Human:84061 Mouse:67075	
MGI	Mouse:1914325	
Proteome	Human:NP_115497.3 Mouse:NP_080228.2	

[redacted]

RefSeq Human:NM_032121
Mouse:NM_025952

UniGene Human:Hs.323562
Mouse:Mm.275943

General Info

Lab Name	3202349	Insert (Digest) Size(bp)	2600
Insert Name	implantation-associa	Reverse Size(bp)	1100
Generated By	Full Length Screen	Internal Size(bp)	700
Type of DNA	FLS	Cut Size(bp)	
Insert ID	Novel	Vector	
Action	Done FL Found	Interest	+
Concentration		Origene Cloneid	
Origene Plate		Origene Well	

Construct Info

Tag		Exp System	
Bases to Sequence		Sequence Status	

Antibody Info No antibody info

Other Info ☐ In Situ image available ☐ TaqMan Hit ☐ Transgenic Animal Model

Oligos		
	OLI8628	64883.AV475.f
	OLI8629	64883.AV476.r
	OLI8713	64883.AV499.Ef
	OLI8714	64883.AV500.Er
	OLI10126	64883.JF47.f
	OLI10127	64883.JF48.r
	OLI11477	64883.tm.f1
	OLI11478	64883.tm.r1
	OLI11479	64883.tm.p1
	OLI26217	64883.f10
	OLI26218	64883.r10

Comments

Login	Date Entered	Annotation
amg	[redacted]	Incyte clone 3202349 Sequencing at ABI
goddarda	[redacted]	human ortholog of implantation-associated protein - Rattus norvegicus
nico	[redacted]	Multi-TM with N term ECD

Legal Status

DNAID	Docket Num	Filing Date
DNA64883	[redacted]	
DNA64883	[redacted]	
DNA64883	[redacted]	
DNA64883	[redacted]	
DNA64883	[redacted]	
DNA64883	[redacted]	
DNA64883	[redacted]	
DNA64883	[redacted]	
DNA64883	[redacted]	

DNA64883 [redacted]
DNA64883 [redacted]
DNA64883 [redacted]
DNA64883 [redacted]
DNA64883 [redacted]

Status

Scientist	Alane Gray	Date Entered	[redacted]
Notebook	28923	Date Updated	[redacted]
Page	86	Date Completed	
Storage Location		Date Canceled	
Box		Cancel Reason	
Slot		Clone Status	not reviewed
Inventory Status		Sequence Status	

Others ☐ Sent to pLASMID Archive
☐ Clone Verified

Project Member

No Project member generated

FLS FLSDNA

No FLS, FLSDNA generated

Exp Construct

EXP	Lab Name	Construct DNA	System
EXP2003	PH.64883.his.163	DNA75635	Baculovirus
EXP1945	sst.64883.H8	DNA79249	Mammalian Stable
EXP2354		DNA79249	Mammalian Stable
EXP2342	64883.644 IgG	DNA83540	Baculovirus

ABI

No ABI run generated

MA Plate

MA Plate	Well Num	Well Location	Date	Tyep Plate
PLT72	61	F1	[redacted]	Storage

Print Run

No Print run generated

XPT

No XPT generated

[redacted]